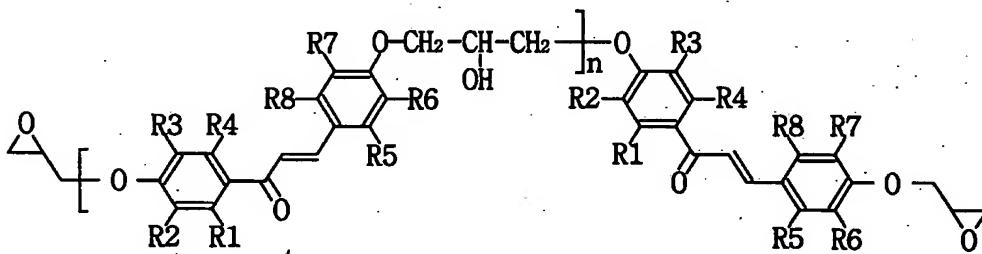


5

COMPOUND HAVING AN EPOXY GROUP AND A CHALCONE GROUP, METHOD OF PREPARING THE SAME, AND PHOTORESIST COMPOSITION COMPRISING THE SAME

ABSTRACT OF THE DISCLOSURE

A compound including an epoxy group that has a heat curing property and a chalcone group that has a radiation curing property is represented by the following formula:



10 wherein n is an integer from 1 to 10,000, and each of R₁, R₂, R₃, R₄, R₅, R₆, R₇ and R₈ is selected from a group consisting of a hydrogen atom, alkyl group, alkoxy group, halogen atom and nitro group. The compound has a high curing efficiency. A photoresist composition including the compound above substantially prevents the formation of remnant in a photoresist pattern used in the manufacturing of a color filter. In addition, the color filter pattern that is formed using the photoresist composition has high color reproductivity and 15 brightness.